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1. Document ID: US 6744719 B2

AB: A method and apparatus for optical tracking in an edge-guided tape recorder is provided. In one embodiment, an optical tape guiding system for use in an optical tape drive which may write to optical tape is provided. The optical tape has a first edge and is disposed to be transported through the optical tape drive, and the optical tape exhibits transverse motion during transport through the optical tape drive. The system includes a curved edge guide disposed to maintain contact with the first edge of the optical tape during transport through the optical tape drive. The system may further include a mirror galvanometer disposed to direct a record beam of the optical tape system to the optical tape.

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2. Document ID: US 6723415 B2

AB: A magnetic recording medium having a non-magnetic support, at least one primer layer on one surface of the support, a magnetic layer on the primer layer and a back coat layer on the other surface of the non-magnetic support, in which the support has a thickness of 2 to 5 .mu.m, the surface roughness (Ra) of the support on its surface carrying the primer layer and the magnetic layer is from 2.5 nm to 20 nm, the thickness of the primer layer is 1.5 .mu.m or less, and the primer layer contains 2 to 30 % by weight, based on the weight of all inorganic powder in the primer layer, of alumina powder having a particle size of 0.01 .mu.m to 0.1 .mu.m.

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3. Document ID: US 5595819 A

AB: Polyester film is disclosed having a thickness not greater than six microns with cubic calcium carbonate incorporated therein resulting in a $Kt^{sup.-0.5}$ of at least 21, where K is a stack stiffness constant and t is film thickness in microns. The film exhibits excellent slippability and winding performance, providing film rolls of uniform hardness with sufficient compressive strength to avoid film buckling. The film can be employed in capacitors, digital stencils and thermal transfer media.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Dependencies	Attachments	Claims	KVNC	Drawn Des
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4. Document ID: US 5591785 A

AB: Disclosed is a normally solid, high molecular weight, gel-free, amorphous to predominantly crystalline, propylene polymer characterized by high melt strength due to strain hardening which is believed to be caused by free-end long chain branches of the molecular chains forming the polymer.

Also disclosed is a process for making the polymer by high energy radiation of a normally solid, high molecular weight, linear, propylene polymer in a reduced active oxygen environment, maintaining the irradiated material in such environment for a specific period of time, and then deactivating free radicals in the material.

Further disclosed is the use of the strain hardening polymer in extensional flow operations such as, for example, extrusion coating, film production, and thermoforming.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Dependencies	Attachments	Claims	KVNC	Drawn Des
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5. Document ID: US 5554668 A

AB: Disclosed is a normally solid, high molecular weight, gel-free, amorphous to predominantly crystalline, propylene polymer characterized by high melt strength due to strain hardening which is believed to be caused by free-end long chain branches of the molecular chains forming the polymer.

Also disclosed is a process for making the polymer by high energy radiation of a normally solid, high molecular weight, linear, propylene polymer in a reduced active oxygen environment, maintaining the irradiated material in such environment for a specific period of time, and then deactivating free radicals in the material.

Further disclosed is the use of the strain hardening polymer in extensional flow operations such as, for example, extrusion coating, film production, and thermoforming.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Dependencies	Attachments	Claims	KVNC	Drawn Des
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6. Document ID: US 4916198 A

AB: Disclosed is a normally solid, high molecular weight, gel-free, amorphous to predominantly crystalline, propylene polymer characterized by

high melt strength due to strain hardening which is believed to be caused by free-end long chain branches of the molecular chains forming the polymer.

Also disclosed is a process for making the polymer by high energy radiation of a normally solid, high molecular weight, linear, propylene polymer in a reduced active oxygen environment, maintaining the irradiated material in such environment for a specific period of time, and then deactivating free radicals in the material.

Further disclosed is the use of the strain hardening polymer in extensional flow operations such as, for example, extrusion coating, film production, and thermoforming.

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